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September 15, 2004

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Our Reference: 11157-72/PMdC

**INFORMATION DISCLOSURE
STATEMENT UNDER CFR.1.56 and CFR 1.97(b)**

Commissioner of Patents
P.O. Box 1450
Alexandria, VA
U.S.A. 22313-1450

Dear Sir:

**Re: United States Patent Application No. 10/798,313
For: PROCESS FOR PRODUCTION OF ALCOHOLS
Filed: March 12, 2004
Applicant: CHUANG et al.**

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, the applicant hereby submits an Information Disclosure Statement including a listing of patents of which the applicant is aware. In accordance with the requirements of 1.97(b)(1) and (3), this Information Disclosure Statement is filed within three months of the filing date of the application or before the mailing date of a first Office Action on the merits, whichever event occurs last.

(A) List of References

A list of the patents and other publications of which the applicant is aware is set out in the attached PTO Form 1449 which is attached hereto.

(B) Copies of References

Pursuant to 37 CFR 1.98(d), copies of references are not being provided since there are

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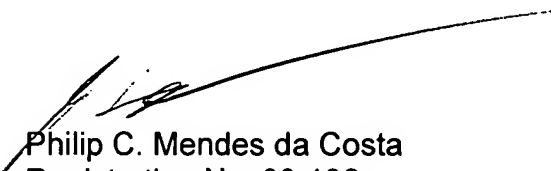
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no new references listed over and above the references previously supplied by the Applicants or cited by the Office in Application Serial No. 09/918,474.

Respectfully submitted,



Philip C. Mendes da Costa
Registration No. 33,106
/as
Encl



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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/798,313	
			Filing Date	March 12, 2004	
			First Named Inventor	Karl T. CHUANG	
			Art Unit	1261	
			Examiner Name	N/A	
Sheet	1	of	2	Attorney Docket Number	11157-72/PMdC

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 4,982,022	01/01/1991	Smith, Jr. et al.	
		US- 4,469,903	09/04/1984	Schmidt	
		US- 4,760,202	07/26/1988	Dettmer et al.	
		US- 4,760,203	07/26/1988	Carls et al.	
		US- 5,221,441	06/22/1993	Smith, Jr.	
		US- 5,488,185	01/30/1996	Ramachandran et al.	
		US- 3,948,681	04/06/1976	Burger, Jr. et al.	
		US- 4,911,803	03/27/1990	Kunz	
		US- 3,280,014	10/18/1966	Kordesch et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 99/44253	09/02/1999	Ballard Power System Inc.		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08b(08-03)

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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/798,313
Filing Date	March 12, 2004
First Named Inventor	Karl T. CHUANG
Art Unit	1621
Examiner Name	N/A
Attorney Docket Number	11157-72/PMdC

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Perry's Chemical Engineer's Handbook, 7 th Edition, 1997; Pages 7-20, 7-25 to 7-28 and 23-45, Toronto, CANADA	
		Kishimoto, Hirotatsu et al; Amorphous Alloy Electrodes for Electrooxidation of Propane; Chemical Abstract accession no. 123; 125466; XP-002193071; abstract.	
		Azeotropic and Extractive Distillation, Interscience Library of Chemical Engineering and Processing, John Wiley and Sons, New York (1964), pp. 165-168 and 179-203.	
		WANKAT in Equilibrium Staged Separations, Elsevier, New York (1988); pp 301-335.	
		LINNEKOSKI et al. in Applied Catalysis A: General, vol. 170 (1998), pp. 117-126.	
		GONZALEZ et al., Industrial and engineering Chemistry Research, 1997, 36, 3845-3853.	
		Hydrocarbon Processing, November 1972, pp. 113-116.	
		ODIOSO et al., Industrial and Engineering Chemistry, March 1961, vol. 53(3), pp. 209-211.	

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Considered

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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